

1H85W Water-Cooled Chiller/Heater

Standard Specifications and Features

- Fluid Setpoint Range +20°C to +150°C
- Temperature Stability ± 1.0°C
- Net Cooling Capacities 25,000 Watts at +20°C
- Heating Capacity 5,000 Watts on 480 VAC
- Recirculating Flow/Pressure 10 Gpm at 50 PSI
- Stainless Steel Reservoir 5 Gallons, Sealable with Nitrogen blanket
- Recirculating Fluid Galden HT-200
- Recirculating Supply/Return Fittings 1" Stainless Steel FNPT
- Facilities Requirements Up to 17.0 Gpm at 70°F inlet, 20 Psi ΔP
- Facilities Supply/Return Fittings 3/4" Stainless Steel FNPT
- Electrical Service 480 VAC, 50 Hz, 3 phase, 45 amp service
- Physical Parameters 66"H x 34"W x 50"D, 980 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration 10.5 Hp hermetically sealed compressor, R-507 refrigerant
- Condenser Brazed plate heat exchanger with a water flow control valve to automatically maintain condensing temperature
- Recirculation 3.8 Hp SS Seal-Less magnetically-driven turbine pump powered by a VFD, SS turbine flow meter, output flow adjust globe valve, panel mounted pressure gauge, copper piping
- Safety Interlocks Fluid low level and empty switches, refrigerant high and low pressure switches, turbine fluid flowmeter, over-temp switch



- Controller PID type controller with a 5.7" color graphic touch-screen display providing fully proportional cooling and heating with the Mydax patented refrigeration circuit
- Interfacing Remote contacts providing run and alarm status, RS-232 serial interface for remote control and monitoring
- Construction Welded steel frame with aluminum panels, frame and panels are powder coated for durability, mounted on locking casters and leveling feet
- Safety Standards Refrigeration Standard ARI 550/590, National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

